

PRODUCTION OF ATTENUATED PARAINFLUENZA VIRUS
VACCINES FROM CLONED NUCLEOTIDE SEQUENCES

Abstract Of The Disclosure

Isolated polynucleotide molecules provide
5 recombinant PIV genomes and antigenomes for production of
recombinant PIV vaccines. The recombinant genome or
antigenome can be expressed with a nucleoprotein (N),
phosphoprotein (P), and a large (L) polymerase protein to
produce isolated infectious PIV particles. The recombinant
10 PIV genome and antigenome can be modified to produce desired
changes, for example to incorporate attenuating mutations from
biologically derived PIV mutants or to create chimeric PIV
clones, to generate attenuated, immunogenic viruses for
vaccine use.

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